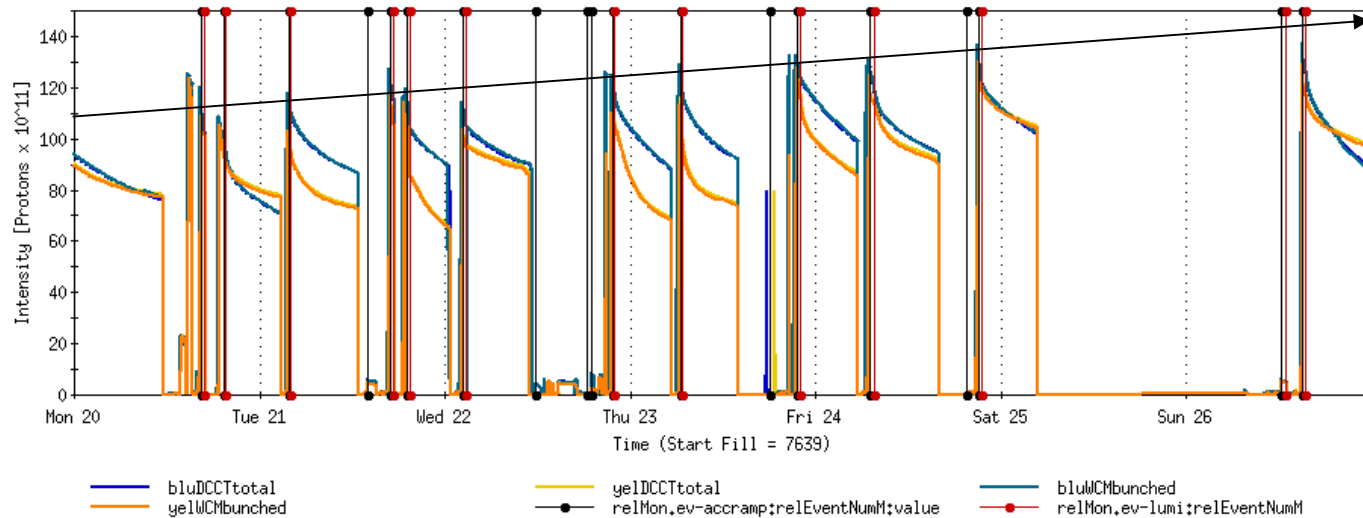
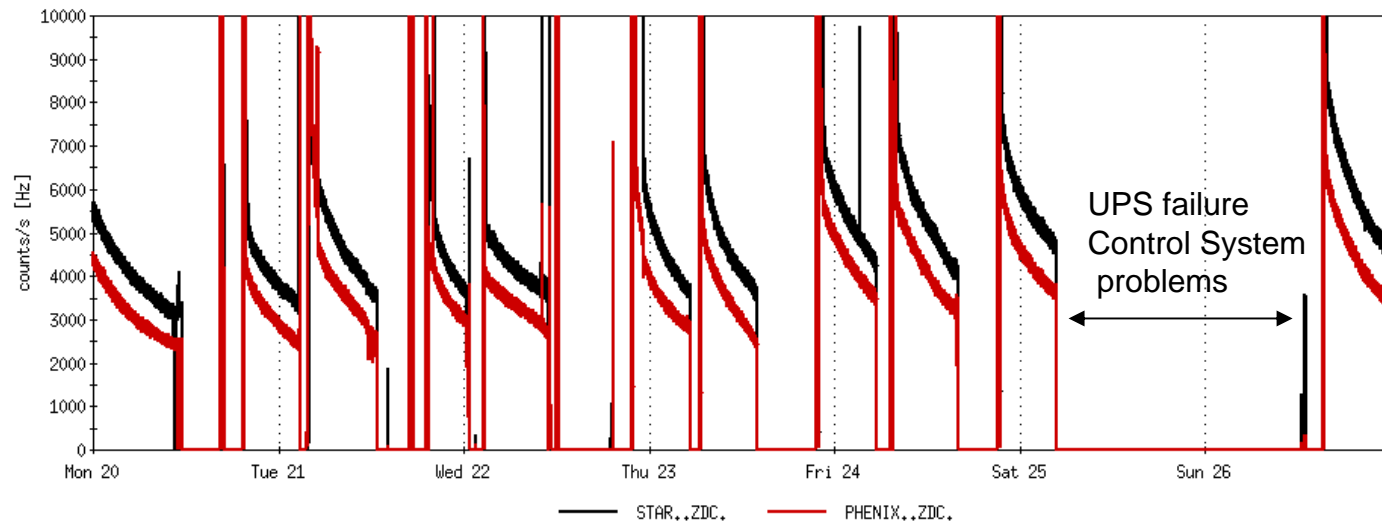


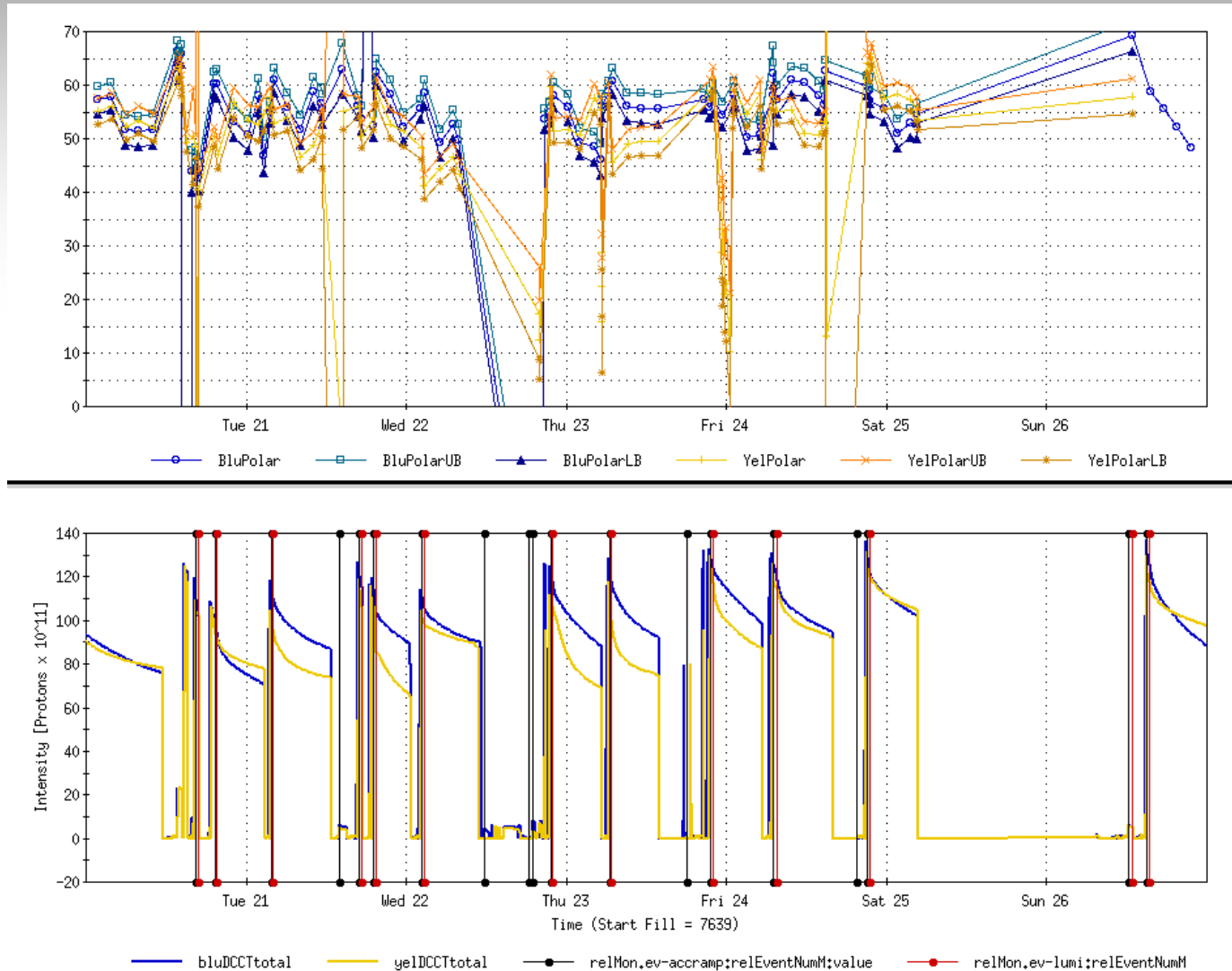
RHIC Status

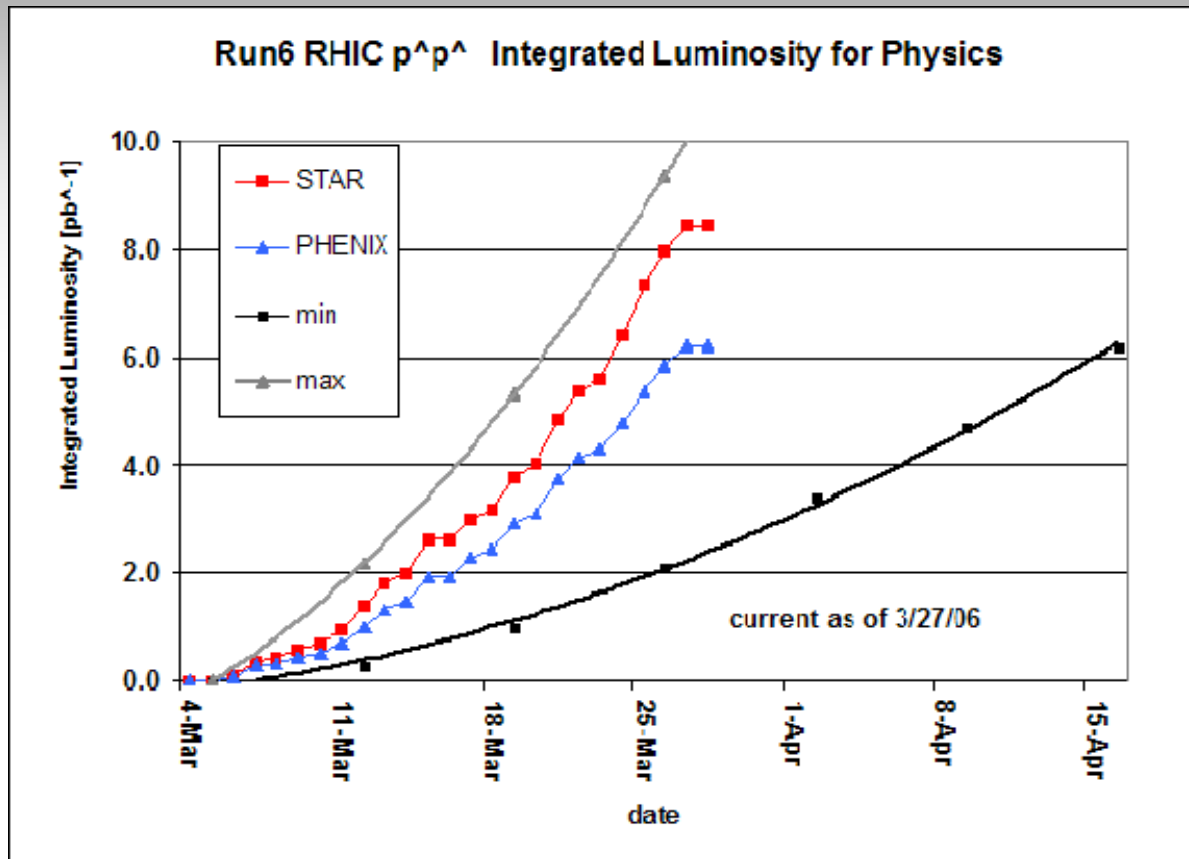
V.Ptitsyn

Week 3: Luminosity



Week 3: Polarization





STAR calibration has not been updated yet from new Vernier scan data!

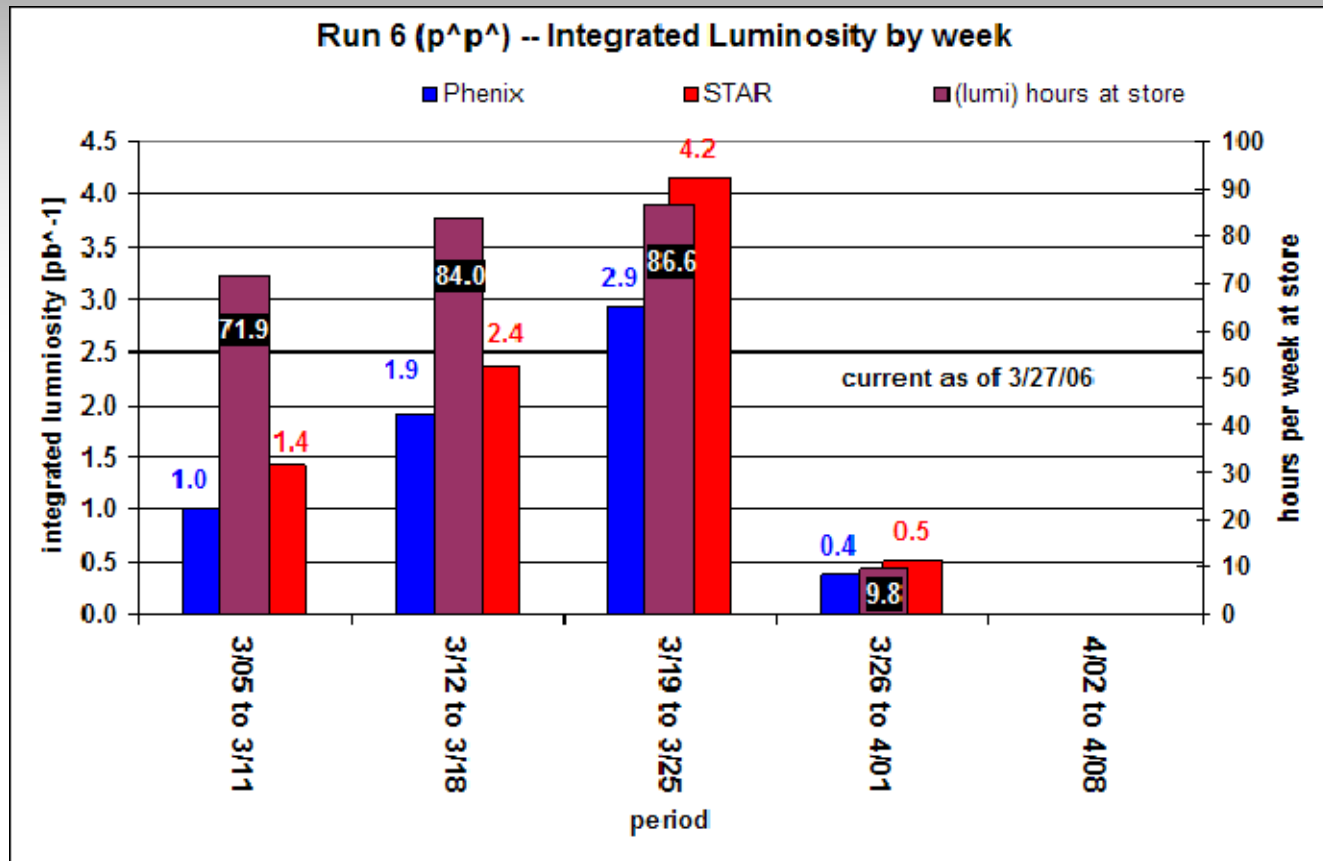
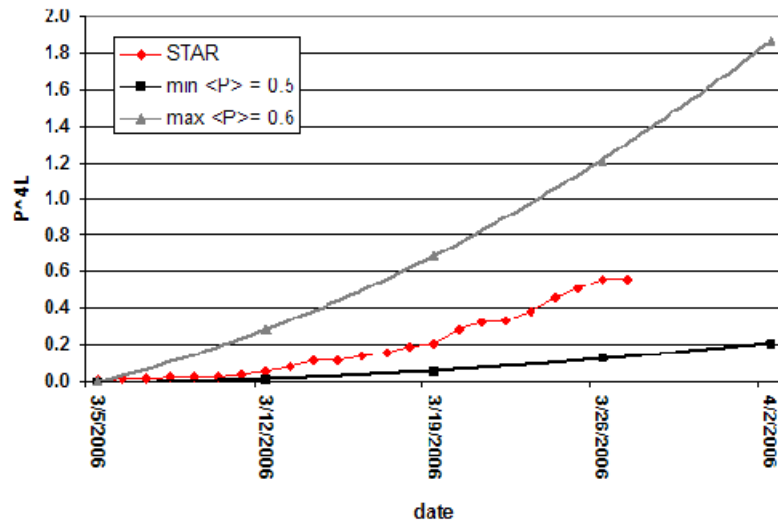
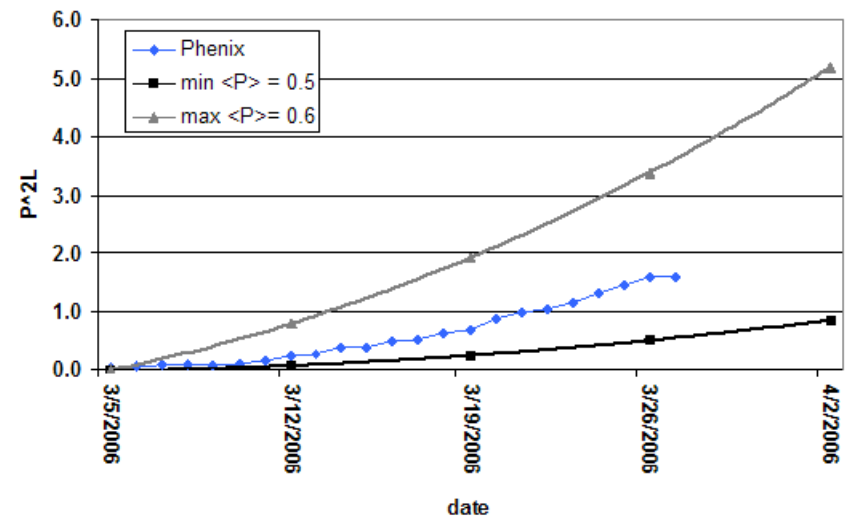


Figure of Merit

Run6 -- STAR figure of Merit



Run6 -- Phenix Figure of Merit



Machine Developments

- Main developments during the week:
 - Vernier scans: STAR and PHENIX beam collision sizes are the same.
 - Slow bunch intensity increase (to more 1.3×10^{11} p/bunch at the injection)
 - Keeping injector emittances the same
 - Reoptimizing Yellow working point, when needed
 - Improvement of longitudinal injection synchro.
 - Yellow Snakes readjustment.
- Further tasks:
 - Reaching the limits: either total beam current or beam-beam limit.
 - Back to Vertex reduction efforts: longitudinal emittance from the injectors, quad pumping, storage cavities.